

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael Hensel, David William Holden, and Jacqueline Elizabeth Shea

Serial No.: 10/763,883

Art Unit: 1645

Filed: January 23, 2004

Examiner: Khatol S. Shahnan Shah

For: *ATTENUATED SALMONELLA SP12 MUTANTS AS ANTIGEN CARRIERS*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit a Supplemental Information Disclosure Statement, including one (1) page of Form PTO-1449, and copies of the five (5) documents cited therein.

This Supplemental Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 50-1329.

### **Publications**

BERGMAN et al, "The *lcrB* (*yscN/U*) gene cluster of *Yersinia pseudotuberculosis* is involved in Yop secretion and shows high homology to the *spa* gene clusters of *Shigella flexneri* and *Salmonella typhimurium*", *J. Bacteriol.*, 176(9):2619-26 (1994).

BUCHMEIER et al, "Recombination-deficient mutants of *Salmonella typhimurium* are avirulent and sensitive to the oxidative burst of macrophages", *Mol. Microbiol.*, 7(6):933-6 (1993).

GALAN and CURTISS, "Cloning and molecular characterization of genes whose products allow *Salmonella typhimurium* to penetrate tissue culture cells", *Proc. Natl. Acad. Sci. USA*, 86(16):6383-7 (1989).

GALAN and CURTISS, "Virulence and vaccine potential of *phoP* mutants of *Salmonella typhimurium*", *Microb. Pathog.*, 6(6):433-43 (1989).

GROISMAN and OCHMAN, "Cognate gene clusters govern invasion of host epithelial cells by *Salmonella typhimurium* and *Shigella flexneri*", *EMBO J.*, 12(10):3779-87 (1993).

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### Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

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